RAW SEQUENCE LISTING   DATE: 10/04/2001
PATENT APPLICATION: US/09/936,602   TIME: 11:04:19

Input Set : **A:\ES.txt**
Output Set: **N:\CRF3\10042001\I936602.raw**

```
 4 <110> APPLICANT: Mayo Foundation for Medical Education and Research
 6 <120> TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-4 PROTEASE
 8 <130> FILE REFERENCE: 07039-145WO1
```
C--> **10 <140> CURRENT APPLICATION NUMBER: US/09/936,602**
C--> **10 <141> CURRENT FILING DATE: 2001-09-14**
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10 <150> PRIOR APPLICATION NUMBER: US 60/124,541
11 <151> PRIOR FILING DATE: 1999-03-15
13 <160> NUMBER OF SEQ ID NOS: 30
15 <170> SOFTWARE: FastSEQ for Windows Version 4.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 7
19 <212> TYPE: PRT
20 <213> ORGANISM: Homo sapiens
22 <400> SEQUENCE: 1
23 Ala Asp Leu Glu Leu Pro Arg
24   1               5
26 <210> SEQ ID NO: 2
27 <211> LENGTH: 11
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
31 <400> SEQUENCE: 2
32 Ser Pro Ala Val Ile Thr Gly Leu Tyr Asp Lys
33   1               5                   10
35 <210> SEQ ID NO: 3
36 <211> LENGTH: 20
37 <212> TYPE: PRT
38 <213> ORGANISM: Homo sapiens
40 <400> SEQUENCE: 3
41 Ser Tyr Leu Pro Gly Gln Trp Val Tyr Leu Ala Ala Thr Tyr Asp Gly
42   1               5                   10                  15
43 Gln Phe Met Lys
44            20
46 <210> SEQ ID NO: 4
47 <211> LENGTH: 15
48 <212> TYPE: PRT
49 <213> ORGANISM: Homo sapiens
51 <400> SEQUENCE: 4
52 Glu Gln Val Asp Phe Gln His His Gln Leu Ala Glu Ala Phe Lys
53   1               5                   10                  15
55 <210> SEQ ID NO: 5
56 <211> LENGTH: 16
57 <212> TYPE: PRT
58 <213> ORGANISM: Homo sapiens
60 <400> SEQUENCE: 5
61 Thr Ile Ser Tyr Pro Tyr Ser Leu Ala Gln Thr Thr Phe Trp Leu Arg
62   1               5                   10                  15
64 <210> SEQ ID NO: 6
```

ENTERED

RAW SEQUENCE LISTING   DATE: 10/04/2001
PATENT APPLICATION: US/09/936,602   TIME: 11:04:19

Input Set : A:\ES.txt
Output Set: N:\CRF3\10042001\I936602.raw

```
 65 <211> LENGTH: 16
 66 <212> TYPE: PRT
 67 <213> ORGANISM: Homo sapiens
 69 <400> SEQUENCE: 6
 70 Ser Phe Asp Asn Phe Asp Pro Val Thr Leu Ser Ser Cys Gln Arg Gly
 71  1               5                   10                  15
 73 <210> SEQ ID NO: 7
 74 <211> LENGTH: 11
 75 <212> TYPE: PRT
 76 <213> ORGANISM: Artificial Sequence
 78 <220> FEATURE:
 79 <223> OTHER INFORMATION: consensus binding motif
 81 <221> NAME/KEY: VARIANT
 82 <222> LOCATION: (1)...(11)
 83 <223> OTHER INFORMATION: Xaa = Any Amino Acid
 85 <400> SEQUENCE: 7
```
W--> ```86 His Glu Xaa Xaa His Xaa Xaa Gly Xaa Xaa His```
```
 87  1               5                   10
 89 <210> SEQ ID NO: 8
 90 <211> LENGTH: 23
 91 <212> TYPE: DNA
 92 <213> ORGANISM: Homo sapiens
 94 <400> SEQUENCE: 8
 95 aaacccattt tattgcaggg agg                                       23
 97 <210> SEQ ID NO: 9
 98 <211> LENGTH: 22
 99 <212> TYPE: DNA
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 9
103 ctgtggttgt gtgacaaatg gc                                        22
105 <210> SEQ ID NO: 10
106 <211> LENGTH: 33
107 <212> TYPE: DNA
108 <213> ORGANISM: Homo sapiens
110 <400> SEQUENCE: 10
111 cagtcagctg ctcaacggaa ggactcacat tgg                            33
113 <210> SEQ ID NO: 11
114 <211> LENGTH: 19
115 <212> TYPE: DNA
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 11
119 ggaggctctg ggactgcac                                            19
121 <210> SEQ ID NO: 12
122 <211> LENGTH: 41
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 12
127 aacgggaagc tcactggcat gatgacatca agaaggtggt g                   41
129 <210> SEQ ID NO: 13
```

RAW SEQUENCE LISTING   DATE: 10/04/2001
PATENT APPLICATION: US/09/936,602   TIME: 11:04:19

Input Set : A:\ES.txt
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```
130 <211> LENGTH: 21
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 13
135 ccaccaccct gatgctgtag c                                    21
137 <210> SEQ ID NO: 14
138 <211> LENGTH: 23
139 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapiens
142 <400> SEQUENCE: 14
143 cacccagcac aatgaagatc aag                                  23
145 <210> SEQ ID NO: 15
146 <211> LENGTH: 23
147 <212> TYPE: DNA
148 <213> ORGANISM: Homo sapiens
150 <400> SEQUENCE: 15
151 gtcaagaaag ggtgtaacgc aac                                  23
153 <210> SEQ ID NO: 16
154 <211> LENGTH: 20
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 16
159 cagtcagctg ctcaacggaa                                      20
161 <210> SEQ ID NO: 17
162 <211> LENGTH: 19
163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 17
167 ggaggctctg ggactgcac                                       19
169 <210> SEQ ID NO: 18
170 <211> LENGTH: 23
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 18
175 ttagtcaagc ttggtttact tgc                                  23
177 <210> SEQ ID NO: 19
178 <211> LENGTH: 21
179 <212> TYPE: DNA
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 19
183 ggaagtcttc tgaggcagtg g                                    21
185 <210> SEQ ID NO: 20
186 <211> LENGTH: 21
187 <212> TYPE: DNA
188 <213> ORGANISM: Homo sapiens
190 <400> SEQUENCE: 20
191 aacgggaagc tcactggcat g                                    21
193 <210> SEQ ID NO: 21
194 <211> LENGTH: 21
```

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PATENT APPLICATION: US/09/936,602   TIME: 11:04:19

Input Set : A:\ES.txt
Output Set: N:\CRF3\10042001\I936602.raw

```
195 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE:. 21
199 ccaccaccct gttgctgtag c                                          21
201 <210> SEQ ID NO: 22
202 <211> LENGTH: 28
203 <212> TYPE: PRT
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: artificial signal peptide
209 <400> SEQUENCE: 22
210 Met Lys Asp Ser Cys Ile Thr Val Met Ala Met Ala Leu Leu Ser Gly
211   1               5                  10                  15
212 Phe Phe Phe Phe Ala Pro Ala Ser Ser Tyr Ala Ala
213               20                  25
215 <210> SEQ ID NO: 23
216 <211> LENGTH: 30
217 <212> TYPE: DNA
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 23
221 cctgcatcac tgtgatggcc atggcgctgc                                 30
223 <210> SEQ ID NO: 24
224 <211> LENGTH: 31
225 <212> TYPE: DNA
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 24
229 tgtctgggtt cttttcttc gcgccggcct c                               31
231 <210> SEQ ID NO: 25
232 <211> LENGTH: 30
233 <212> TYPE: DNA
234 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 25
237 gagctatgcc gcggaagcta ggggcgccat                                 30
239 <210> SEQ ID NO: 26
240 <211> LENGTH: 30
241 <212> TYPE: DNA
242 <213> ORGANISM: Homo sapiens
244 <400> SEQUENCE: 26
245 gcggcatagc tcgaggccgg cgcgaagaaa                                 30
247 <210> SEQ ID NO: 27
248 <211> LENGTH: 30
249 <212> TYPE: DNA
250 <213> ORGANISM: Homo sapiens
252 <400> SEQUENCE: 27
253 aagaacccag acagcagcgc catggccatc                                 30
255 <210> SEQ ID NO: 28
256 <211> LENGTH: 30
257 <212> TYPE: DNA
258 <213> ORGANISM: Homo sapiens
```

RAW SEQUENCE LISTING   DATE: 10/04/2001
PATENT APPLICATION: US/09/936,602   TIME: 11:04:19

Input Set : **A:\ES.txt**
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```
260 <400> SEQUENCE: 28
261 acagtgatgc aggaatcctt cataagctta                          30
263 <210> SEQ ID NO: 29
264 <211> LENGTH: 18
265 <212> TYPE: DNA
266 <213> ORGANISM: Homo sapiens
268 <400> SEQUENCE: 29
269 ctaagcttat gaaggatt                                        18
271 <210> SEQ ID NO: 30
272 <211> LENGTH: 18
273 <212> TYPE: DNA
274 <213> ORGANISM: Homo sapiens
276 <400> SEQUENCE: 30
277 atggcgcccc tagcttcc                                        18
```

VERIFICATION SUMMARY   DATE: 10/04/2001
PATENT APPLICATION: US/09/936,602   TIME: 11:04:20

Input Set : **A:\ES.txt**
Output Set: **N:\CRF3\10042001\I936602.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:86 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7